Please insert the following new claims:

--32. A method for geographically locating a mobile terminal within a wireless CDMA communication system having base stations with fixed locations, the method comprising:

transmitting from a plurality of base stations a first spread spectrum signal having an associated code;

receiving of the first spread spectrum signals at the mobile terminal;

for each received first spread spectrum signal, transmitting a second spread spectrum signal having an associated code time synchronized with that received first spread spectrum signal from the mobile terminal;

receiving the second spread spectrum signals at the plurality of base stations;

determining a distance between each base station and the mobile terminal based on in part a received timing of the second signals; and

determining the mobile terminal's geographic location based on in part the distance determinations and the base stations' fixed locations.

33   The method of claim 32 wherein the determining of the mobile terminal's geographic location is performed at the mobile terminal.

34.   The method of claim 32 wherein the base stations are time synchronized with each other.

35.   The method of claim 33 further comprising each base station transmits the distance determination to the mobile terminal.

36.   The method of claim 35 further comprising the mobile terminal receiving the distance determinations.

37.   A mobile terminal for use in a wireless CDMA communication system having a plurality of base stations, each base station transmitting a first spread spectrum signal having an associated code, the mobile terminal comprising:

means for receiving the first spread spectrum signals at the mobile terminal;

5   means for each received first spread spectrum signal, transmitting a second spread spectrum signal having an associated code time synchronized with that received first spread spectrum signal, whereby enabling each base station to make a determination of a distance between the mobile terminal and that base station;

means for receiving the distance determination from each base station; and

10   means for determining the mobile terminal's geographic location based on in part the distance determinations and the base stations' fixed locations.

38.   The mobile terminal of claim 37 wherein the first and second spread spectrum signals are pilot signals.

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39.   A wireless CDMA system for geographically locating a mobile terminal, the system comprising:

a plurality of base stations with fixed locations, each base station comprising:

means for transmitting a first spread spectrum signal having an associated

5   code;

means for receiving a second spread spectrum signal having an associated

code;

means for determining a distance between the mobile terminal and that base station based on in part a received timing of the received second signal; and

10   means for transmitting the distance determination to the mobile terminal; and

the mobile terminal comprising:

means for receiving the first spread spectrum signals at the mobile terminal;

means for each received first spread spectrum signal, transmitting the second spread spectrum signal having its associated code time synchronized with that received first

15   spread spectrum signal;

means for receiving the distance determination from each base station; and

means for determining the mobile terminal's geographic location based on in part the distance determinations and the base stations' fixed locations.

40.   The system of claim 39 wherein the base stations are time synchronized with each other.--

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